

XP-002167801

AN - 1983-757608 [36]

CPY - HYDR-R

- LENI

DC - D15 E36 J01

DR - 1669-P

FS - CPI

IC - C01B31/08

IN - ALEKSANDRO E M; BELOTSENKO G M; CHUBAROVA T F

MC - D04-B11 E31-N03 J01-D01

M3 - [01] C106 C810 M411 M720 M903 M910 N153 N480 N513 N514 N515 Q431 Q437
Q508 R032

PA - (HYDR-R) HYDROLYSIS IND RES

- (LENI) LENINGRAD LENSOVET TECH

PN - SU971789 A 19821107 DW198336 003pp

PR - SU19813280911 19810429

XA - C1983-086327

XIC - C01B-031/08

AB - SU-971789 Granulated activated carbon, esp. suitable for purification of aq. effluents, is prepd. by granulating a lignin-contg. material, drying, carbonising and activating. The sorption activity of this product is enhanced by mixing the lignin-contg. material, before granulation with a low-ash shale concentrate.

- Peat, wood flour or lignin hydrolysate can be used as a starting material. The amt. of shale concentrate is 10-50 wt. % Tar can be opt. added as a binder. The granulated prod. is dried at 105-110 deg. carbonised in inert atmos. at 400-800 deg., and activated at 850-950 deg. with water vapour. The addition of shale results in porosity increase of about 50-70% (esp. large pores). The sorption activity is increased by about 40%. Bul.41/7.11.82. (3pp Dwg.No.0/0)

IW - PREPARATION GRANULE ACTIVATE CARBON SORPTION LIGNIN CONTAIN MATERIAL
LOW ASH SHALE WASTE WATER PURIFICATION

IKW - PREPARATION GRANULE ACTIVATE CARBON SORPTION LIGNIN CONTAIN MATERIAL
LOW ASH SHALE WASTE WATER PURIFICATION

INW - ALEKSANDRO E M; BELOTSENKO G M; CHUBAROVA T F

NC - 001

OPD - 1981-04-29

ORD - 1982-11-07

PAW - (HYDR-R) HYDROLYSIS IND RES

- (LENI) LENINGRAD LENSOVET TECH

TI - Prepn. of granulated activated carbon sorbent - from lignin contg. material and low-ash shale used in waste water purificn.